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(54) LUMINESCENT SUBSTANCE AND
LUMINESCENT LAMP

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a luminescent substance improved in luminous efficiency, capable of reducing color shift of a luminescent lamp and supplying a high-quality luminescent lamp having a long life and to provide a luminescent lamp using the luminescent substance.

SOLUTION: This luminescent substance is a three wavelength type mixed luminescent substance comprising at least a blue, a green and a red fluorescent substances, and a coated film composed of fine particles of at least one metal oxide selected from MgO, CaO, SrO, BaO and Y₂O₃ in the ratio of >0.01 and 23.0awt.% based on the blue luminescent substance is formed only on the surface of the blue luminescent substance. A luminescent film constituted of the luminescent substance 2 is formed in the inside of a glass bulb to give the objective luminescent lamp.

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